

Electric Distribution Utility Annual Reliability Report

2006-00494
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SECTION 1: CONTACT INFORMATION

UTILITY NAME	1.1	Grayson RECC
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SECTION 2: REPORT YEAR

CALENDAR YEAR OF REPORT	2.1	2012
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SECTION 3: MAJOR EVENT DAYS

TMED	3.1	19.51
FIRST DATE USED TO DETERMINE TMED	3.2	1/1/2007
LAST DATE USED TO DETERMINE TMED	3.3	12/31/2011
NUMBER OF MED IN REPORT YEAR	3.4	11

NOTE: Per IEEE 1366 TMED should be calculated using the daily SAIDI values for the five prior years. If five years of data are not available, then utilities should use what is available until five years are accumulated.

SECTION 4: SYSTEM RELIABILITY RESULTS

Excluding MED

SAIDI	4.1	352
SAIFI	4.2	2.698
CAIDI	4.3	130

Including MED (Optional)

SAIDI	4.4	1266
SAIFI	4.5	4.325
CAIDI	4.6	293

Notes:

- 1) All duration indices (SAIDI, CAIDI) are to be reported in units of minutes.
- 2) Reports are due on the first business day of April of each year
- 3) Reports cover the calendar year ending in the December before the reports are due.
- 4) IEEE 1366 (latest version) is used to define SAIDI, SAIFI, CAIDI, and TMED

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SECTION 5: OUTAGE CAUSE CATEGORIES

Excluding MED

CAUSE CODE DESCRIPTION	SAIDI VALUE	CAUSE CODE DESCRIPTION	SAIFI VALUE
Tree failure from overhang or dead tree with 5 1.1	114.8	Tree failure from overhang or dead tree without 5.2.1	0.724
Material or equipment fault/failure 5.1.2	101.7	Material or equipment fault/failure 5.2.2	0.689
Weather, other 5.1.3	46.4	Lightning 5.2.3	0.337
Lightning 5.1.4	38.7	Construction 5.2.4	0.317
Cause unknown 5.1.5	32.3	Cause unknown 5.2.5	0.194
Construction 5.1.6	27.7	Weather, other 5.2.6	0.142
Other 5.1.7	26.1	Weather, other 5.2.7	0.142
Ice, sleet, frost, not trees 5.1.8	14.5	Other 5.2.8	0.112
Power supply 5.1.9	11.6	Tree growth 5.2.9	0.072
Tree growth 5.1.10	9.4	Switching error or caused by construction or m 5.2.10	0.047

SECTION 6: WORST PERFORMING CIRCUITS

CIRCUIT IDENTIFIER	SAIDI VALUE	MAJOR OUTAGE CATEGORY
Elliottville 3 6.1.1	120	Material or equipment failure
Newfoundland 1 6.1.2	117	Material or equipment failure
Airport Road 2 6.1.3	105	Tree failure from overhang or dead tree
Mazie 2 6.1.4	88	Material or equipment failure
Low Gap 2 6.1.5	74	Construction
SandyHook 3 6.1.6	61	Tree failure from overhang or dead tree
Warnock 4 6.1.7	59	Tree failure from overhang or dead tree
Pelfrey 1 6.1.8	54	Tree failure from overhang or dead tree
Mazie 1 6.1.9	42	Lightning
SandyHook 2 6.1.10	39	Material or equipment failure

CIRCUIT IDENTIFIER	SAIFI VALUE	MAJOR OUTAGE CATEGORY
Elliottville 3 6.2.1	0.453	Lightning
Mazie 2 6.2.2	0.340	Material or equipment failure
Airport Road 2 6.2.3	0.320	Tree failure from overhang or dead tree
Newfoundland 1 6.2.4	0.246	Weather
SandyHook 3 6.2.5	0.223	Tree failure from overhang or dead tree
Low Gap 3 6.2.6	0.220	Material or equipment failure
Low Gap 2 6.2.7	0.165	Tree failure from overhang or dead tree
Pactolus 1 6.2.8	0.142	Material or equipment failure
Pactolus 4 6.2.9	0.141	Material or equipment failure
Warnock 4 6.2.10	0.139	Tree failure from overhang or dead tree